

STANDARD AGREEMENT AMENDMENT

STD. 213 A (Rev 6/03)

☒ CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED 10 Pages

AGREEMENT NUMBER

08-C0132

AMENDMENT NUMBER

A01

REGISTRATION NUMBER

1016338

1. This Agreement is entered into between the State Agency and Contractor named below:

STATE AGENCY'S NAME

Department of Pesticide Regulation

CONTRACTOR'S NAME

The Regents of the University of California

2. The term of this

Agreement is April 1, 2009 through March 31, 2011

3. The maximum amount of this
- \$129,940.00

Agreement after this amendment is: One hundred twenty-nine thousand nine hundred forty dollars and no cents

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

Changes made to this Agreement are shown as: Text additions are displayed in **bold and underlined** and Text deletions are displayed as **strike through text (i.e., Strike)**.

Attachment 1, Detailed Scope of Work and Timeline is amended, in its entirety, as attached.

Attachment 2, Detailed Budget is amended, in its entirety, as attached.

All other terms and conditions shall remain the same.

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

CONTRACTOR

CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.)

The Regents of the University of California

BY (Authorized Signature)

DATE SIGNED (Do not type)

5/4/10

PRINTED NAME AND TITLE OF PERSON SIGNING

Lynn Deetz, Director

ADDRESS

**ANR Office of Contracts & Grants
University of California
One Shields Ave.
Davis, CA 95616
ID# CONG****STATE OF CALIFORNIA**

AGENCY NAME

The Department of Pesticide Regulation

BY (Authorized Signature)

DATE SIGNED (Do not type)

5.10.10

PRINTED NAME AND TITLE OF PERSON SIGNING

Anise Severns, Fiscal Services and Business Operations Manager

ADDRESS

1001 "I" Street, Sacramento, CA 95814**CALIFORNIA
Department of General Services
Use Only****APPROVED****MAY 25 2010****DEPT OF GENERAL SERVICES**☐ Exempt per:

Amended Attachment 1

DETAILED SCOPE OF WORK AND TIMELINE *Outreach for Mitigating Pesticide Runoff in Urban Environments*

I. INTRODUCTION/OBJECTIVES

The objective of this project is to refine and prepare unbiased, up-to-date, effective, and scientifically based outreach materials that may be used by landscapers, structural applicators, nursery and garden center staff, and residential users. The outreach materials will provide information to help these user groups prevent and mitigate pesticide runoff in urban environments. The project will build on a previous Department of Pesticide Regulation (DPR) contract, "Development of Outreach Materials for Mitigating Pesticide Runoff in Urban Environments (agreement DPR #05-0108C)," that developed *prototype* products to demonstrate the possibilities for outreach. The outreach materials that were gathered, adapted, and developed as part of this earlier project are currently posted at <http://groups.ucanr.org/PesticideMitigation/> and, with the exception of the Pesticide Database, are active.

The project director, investigators, and the University of California Integrated Pest Management Program (UC IPM) and University of California Cooperative Extension (UCCE) staff comprise the development team. In addition, the user group formed during the previous contract, including a DPR Environmental Monitoring Branch scientist and a DPR Pest Management Branch scientist, as well as representative end users from the California Association of Nursery and Garden Centers (CANGC) and members of the Urban Pesticide Committee (UPC), will continue to review materials to assure their usefulness. Pest control advisors (PCAs) and structural pest management professionals will also evaluate the materials although these groups are not considered part of the formal advisory team.

II. WORK TO BE PERFORMED

The Contractor will develop new materials, solicit reviews of materials from potential users, and finalize prototype and new materials for public use and to assist with educating the targeted user groups about pesticides and their impact on water quality. All products will be reviewed by a group of potential users of the identified audiences before finalizing and posting.

Note that under an earlier contract with DPR, investigators researched the possibility of creating a searchable database of pesticide products labeled for specific target audiences; however, there was no sustainable way of obtaining the necessary information from DPR or the pesticide manufacturers and formulators. Thus the pesticide database, while very desirable, is not a deliverable in this project.

Note that it will be very difficult to relate the effectiveness of the project through the documentation of reduced pesticide use or improved water quality. Therefore, the contractor

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will do its best to quantify the immediate impacts of the project's outreach materials and activities on user groups as an indicator of success.

III. TASKS

A. Contractor's Responsibility:

1) *Form and consult with project advisory group (PAG).*

- a) Review with PAG the prototype products that have been developed under the earlier DPR Contract (#05-0108C).
- b) Present plans for new products and revisions to old ones and gather feedback.
- c) PAG shall review and comment on all draft products. These comments will be used by development team in finalizing products.

2) *Review and revise six (6) existing online training modules.*

a) Review and organize module content to form a cohesive set of modules to teach mitigation of pesticide for water quality. Revise content as needed for completeness, scientific accuracy, and consistency of message about pesticides, water quality impacts, and mitigation of impacts.

b) Field test online training modules by engaging learners to give feedback about the experience and revise appropriately to improve presentation of the current modules.

c) Add professional-quality voice, art, and prepare final layout.

3) *Develop additional professional-quality online training modules*

- a) Develop two (2) new professional-quality modules, one (1) using **herbicides** glyphosate (for landscape, nursery staff, and non-professionals) and one (1) regarding calibration and application methods to minimize pesticide runoff (for all audiences).
- b) Develop scripts, identify and produce artwork, field test and revise as needed, prepare, and record voice.

4) *Develop additional short pesticide videos and review and revise existing videos*

- a) Develop and produce two (2) short pesticide videos about fipronil and cyfluthrin.
- b) Field test with user representatives and revise as needed.
- c) Review and revise existing videos as needed for content.

5) *Develop additional consumer-oriented quick tip cards and revised existing cards*

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- a) Write seven (7) new cards, review, identify artwork, and prepare final deliverable cards.
- b) Obtain reviews of the six (6) existing cards from experts and users and revise as needed, deliver finished cards.

6) *Develop Interactive Pest Notes*

- a) Compile environmental (water quality) and health impacts of commonly used pesticides included in 17 Pest Notes (10 most popular arthropod pests, 6 weeds, and 1 disease)
- b) Prepare impacts tables and Web pages that describe each pesticide
- c) Reformat the Pest Notes to include the interactive water quality components.
- d) Obtain and incorporate reviewer comments.

7) *Develop and post pesticide newsletters*

- a) Prepare six (6) newsletters on pesticide topics.
- b) Make the newsletters available on Web site.

8) *Publish materials through the UC IPM Web site*

- a) Incorporate all of the **final** products developed under this Contract and the previous Contract (#05-0108C) into the UC IPM Web site and integrate with existing materials that support related messages.
- b) Develop one or more comprehensive Web pages to display the resources developed under this project.

9) *Conduct outreach activities*

- a) Consult with advisory group to determine specific outlets and target audiences to widely advertise availability and demonstrate how the deliverables can be used.
- b) Conduct Outreach activities which may include, but are not limited to:
 - Obtaining approval for Continuing Education Units for all online training modules.
 - Creating a newsletter mailing list which allows readers to subscribe online to receive the newsletter and product updates.
 - Preparing and distributing product announcements and press releases directed at specific audiences, organizations, and information outlets.
 - Partner with the California Association of Nursery and Garden Centers (CANGC), California Association of Pest Control Advisors (CAPCA), Pesticide Applicators Professional Association (PAPA), and other organizations to inform companies about the available training resources.

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- Encourage a wide variety of organizations and agencies to link to the new product Web pages.
- Print Quick Tips and distribute to organizations and agencies.
- Train Master Gardeners to use materials in their outreach.
- Use materials in presentations at local meetings.
- Coordinate with the structural audience involved in the Ant PMA.

B. DPR Responsibility:

- 1) *DPR's Contract Manager will participate in the PAG meetings and provide feedback or guidance to the Contractor on project tasks and deliverables, either directly to the Contractor or indirectly through the PAG.*

IV. DELIVERABLES

A. Advisory group meeting notes (Task 1).

B. Professional-quality online training modules (6 being finalized from previous contract, 2 new) (Tasks 2 and 3).

- *Pesticide Properties (all audiences)*
- *Appropriate Use (all audiences)*
- *Pesticide Mitigation (all audiences)*
- *Pesticides with Water Quality Concerns (all audiences)*
- *Bifenthrin and Water Quality (for landscapers)*
- *Fipronil and Water Quality (for structural applicators)*
- **Bifenthrin and Fipronil (for structural applicators and landscapers) – note that this merges two of the six modules from the previous contract to reduce duplicity of content.**
- *Calibration and application methods to avoid pesticide runoff (all audiences)—new*
- **Herbicides** *Glyphosate (for landscapers, nursery staff, nonprofessionals)—new*

C. Two (2) new pesticide videos (Task 4).

- *Fipronil*
- *Cyfluthrin*

D. Seven (7) new and six (6) revised pesticide quick tip cards (Task 5).

- *Malathion*
- *Bifenthrin*
- *Permethrin*
- *Dimethoate (may be replaced by a higher use active ingredient)*
- *Preventing pesticide runoff in turf*
- *Preventing pesticide runoff in landscapes*

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- *What to do with old pesticides*
- E. Seventeen (17) interactive Pest Notes, including pesticide descriptions and impacts tables (Task 6).
 - *10 arthropod pests*
 - *6 weeds*
 - *1 disease*
- F. Six (6) issues of newsletter on pesticide topics (Task 7).
- G. Post available resources in online web pages on UC IPM Web site (Task 8).
- H. Documentation of outreach using the materials (Task 9).
 - *Lists of activities (meetings, announcements, etc.) undertaken*
 - *Numbers of items distributed/courses taken, videos viewed and Pest Notes viewed*
 - *List of organizations, agencies and companies involved*
- I. Progress reports
Reporting period needs to match the billing period for each of the nine (9) invoices. (See Section VI. Invoicing Requirements) The progress reports need to be submitted to DPR's Contract Manager on or before the due date of the corresponding invoice. There will be a total of nine (9) progress reports submitted. Progress reports can be submitted via email or traditional mail to the Contract Manager.

V. CONTRACT/TASK TIME FRAME

The estimated duration of this project is 24 months. For detailed breakdown of timeframe by task, please see project timeline table below.

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Project Timeline Table (Presented by Task)

Mitigation Outreach Project		FEB 2 2010 REQUESTED TIMELINE REVISION												original											
Task (refer to scope of work)		FY 2008-09												FY 2010-11											
		Apr	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
1. Meet with advisory committees																									
2. Finalize (including user testing) existing online training modules																									
3. Develop/test/finalize new training modules																									
4. Develop/test/finalize new videos																									
5. Develop/finalize new pesticide Quick Tip cards																									
6. Develop/test/finalize interactive Pest Notes and supporting information																									
7. Prepare and post newsletters																									
8. Integrate materials into the UC IPM Web site																									
9. Outreach activities																									

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Budget by Task (prepared 1/30/09 revised 4/12/10)

1. Meet with advisory committee	1. Personal Services	0
	2. Benefits	0
	3. Supplies	0
	4. Equipment	0
	5. Travel	1,000 0
	6. Contracts	0
	7. Other	
	8. Indirect Costs	250 0
	Total Costs	1,250 0

Detail

Travel:
committee 1,000

2. Finalize (including user testing) existing online training modules	1. Personal Services	5,842 18,570
	2. Benefits	3,797 12,071
	3. Supplies	1,600 900
	4. Equipment	
	5. Travel	0
	6. Contracts	0
	7. Other	
	8. Indirect Costs	2,810 7,885
	Total Costs	14,050 39,426

Supplies/services:
software 100 0
sound 900
art 600 0

3. Develop/test/finalize new training modules	1. Personal Services	22,117 15,231
	2. Benefits	14,376 9,900
	3. Supplies	600
	4. Equipment	
	5. Travel	
	6. Contracts	0
	7. Other	
	8. Indirect Costs	9,273 6,434
	Total Costs	46,366 32,165

Supplies/services:
sound 300
art 300

4. Develop/test/finalize new videos	1. Personal Services	13,703 8,236
	2. Benefits	7,634
	3. Supplies	900 1,535
	4. Equipment	
	5. Travel	
	6. Contracts	0
	7. Other	
	8. Indirect Costs	5,559 4,358
	Total Costs	27,796 21,791

Supplies/services:
videography 900 1,535

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5. Develop/finalize new pesticide Quick Tip cards	1. Personal Services	3,457
	2. Benefits	1,175
	3. Supplies	600 0
	4. Equipment	
	5. Travel	
	6. Contracts	0
	7. Other	
	8. Indirect Costs	1,308 1,158
	Total Costs	6,540 5,790

Supplies/services:
card layout

~~600~~ 0

6. Develop/test/finalize interactive Pest Notes and supporting information	1. Personal Services	9,722
	2. Benefits	3,306
	3. Supplies	
	4. Equipment	
	5. Travel	1,000
	6. Contracts	0
	7. Other	
	8. Indirect Costs	3,507
	Total Costs	17,535

Travel:
travel to UCD

1,000

7. Prepare and post newsletters	1. Personal Services	4,321 3,457
	2. Benefits	1,469 1,175
	3. Supplies	
	4. Equipment	
	5. Travel	
	6. Contracts	0
	7. Other	
	8. Indirect Costs	1,448 1,158
	Total Costs	7,238 5,790

Supplies/services:
printing

100

8. Integrate materials into the UC IPM Web site	1. Personal Services	3,756 2,921
	2. Benefits	2,441 1,899
	3. Supplies	0
	4. Equipment	0
	5. Travel	0
	6. Contracts	0
	7. Other	0
	8. Indirect Costs	1,549 1,205
	Total Costs	7,746 6,025

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9. Outreach activities	1. Personal Services	0
	2. Benefits	0
	3. Supplies	1,135
	4. Equipment	0
	5. Travel	0
	6. Contracts	0
	7. Other	0
	8. Indirect Costs	284
	Total Costs	1,419

Supplies/services:
printing QTs 1,000
DPR credits 135

Overall--all Tasks	1. Personal Services	62,918 <u>61,621</u>
	2. Benefits	34,199 <u>37,161</u>
	3. Supplies	4,835 <u>4,170</u>
	4. Equipment	0
	5. Travel	2,000 <u>1,000</u>
	6. Contracts	0
	7. Other	0
	8. Indirect Costs	25,988
	Total Costs	129,940

Time Base Breakdown by Tasks

Task	Reynolds (months at 100%)	Parker (months at 100%)	Total Months (at 100%)	Years (% FTE)
2. Finalize (including user testing) existing online training modules	1.4 <u>4.45</u>		1.4 <u>4.45</u>	0.12 <u>0.37</u>
3. Develop/test/finalize new training modules	5.3 <u>3.65</u>		5.3 <u>3.65</u>	0.44 <u>0.30</u>
4. Develop/test/finalize new videos	2.3 <u>1.1</u>	0.95 <u>0.85</u>	3.25 <u>1.95</u>	0.27 <u>0.16</u>
5. Develop/finalize new pesticide Quick Tip cards		0.8	0.8	0.07
6. Develop/test/finalize interactive Pest Notes and supporting information		2.25	2.25	0.19
7. Prepare and post newsletters		1 <u>0.8</u>	1 <u>0.8</u>	0.08 <u>0.07</u>
8. Integrate materials into the UC IPM Web site	0.9 <u>0.7</u>		0.9 <u>0.7</u>	0.08 <u>0.06</u>
TOTAL	9.9	5 <u>4.7</u>	14.9 <u>14.6</u>	1.24 <u>1.22</u>

Amended Attachment 2

Salary and Benefit Information

Personnel	
Salaries	Monthly Rate
Reynolds, Cheryl (Sr. Editor)	4,173
Parker, Scott (Program Rep)	4,321

Benefits	Rate
Reynolds, Cheryl (Sr. Editor)	0.65
Parker, Scott (Program Rep)	0.34

(Reynolds benefits reflects eligibility for full benefits, but part-time employee)

(Parker hired at 100%, paid from multiple sources)